

Message

From: Cirian, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=98D0FD2CBB3F4F25B819C6929E18D08D-CIRIAN, MIKE]
Sent: 7/13/2018 2:05:04 AM
To: Gunnar Emilsson [EmilssonGR@cdmsmith.com]
Subject: Re: Expedited Risk Assessment for South Percolation Ponds Path Forward

Thanks for the update. I was just checking to see if you was interested in lunch?? We can do it next time.

Sent from my iPhone

On Jul 12, 2018, at 6:19 PM, Emilsson, Gunnar <EmilssonGR@cdmsmith.com> wrote:

I am working from home, as my wife broke a leg while we were on vacation last week, and had surgery. Our home is only a 5 minute drive from the office. If you can give me a rough time frame on when you plan to stop by, I will be in."

Just an update since you are checking messages. We had a call today with David Berry and agreed on a path forward on the Background SAP. Lynn is going to call Brian Sanchez (who was out in the field this week) to see if he concurred with CFAC's response. Should go out on your behalf either tomorrow or Monday.

Meanwhile, Erin is going through the revised BERA and BHHRA work plans, as there is a lot of new material. She is coordinating with Brian and David.

Talk to you Monday,
Gunnar

From: Cirian, Mike <Cirian.Mike@epa.gov>
Sent: Thursday, July 12, 2018 6:03 PM
To: Emilsson, Gunnar <EmilssonGR@cdmsmith.com>
Subject: Re: Expedited Risk Assessment for South Percolation Ponds Path Forward

Thanks. I'll take care of this when I return from vacation. Are you in next Monday? I'll be in Helena for a meeting with DEQ.

Sent from my iPhone

On Jul 12, 2018, at 5:39 PM, Emilsson, Gunnar <EmilssonGR@cdmsmith.com> wrote:

Hi Mike:

Trying to get caught up after vacation and other issues. We recommend that you reply to CFAC/Roux agreeing to this modification, as they asked for this.

Gunnar

From: Formanek, Erin
Sent: Friday, June 29, 2018 12:17 PM
To: Emilsson, Gunnar <EmilssonGR@cdmsmith.com>
Subject: RE: Expedited Risk Assessment for South Percolation Ponds Path Forward

I don't have any objection to this.

From: Emilsson, Gunnar
Sent: Friday, June 29, 2018 12:14 PM
To: Formanek, Erin <formanek@cdmsmith.com>
Subject: Fwd: Expedited Risk Assessment for South Percolation Ponds Path Forward

FYI.

Sent from my Verizon 4G LTE smartphone

----- Original message -----

From: Laura Jensen <ljensen@rouxinc.com>
Date: 6/29/18 11:06 AM (GMT-05:00)
To: "Cirian, Mike" <Cirian.Mike@epa.gov>
Cc: "Emilsson, Gunnar" <EmilssonGR@cdmsmith.com>, "Sanchez, Brian" <sanchez.brian@epa.gov>, "Berry, David" <Berry.David@epa.gov>, John.Strojazzo@glencore.ca, Steve Wright - CFAC <swright@cfaluminum.com>, "Skipper, Sherry" <Skipper.Sherry@epa.gov>, Dick Sloan <rsloan@mt.gov>, Andrew Baris <abaris@rouxinc.com>, Michael Ritorto <mrirtorto@rouxinc.com>
Subject: Expedited Risk Assessment for South Percolation Ponds Path Forward

Mr. Cirian,

As previously discussed with USEPA/MDEQ, CFAC/Roux proposed an expedited risk assessment of the South Percolation Pond Area in a letter to the USEPA dated September 6, 2017 and a subsequent Expedited Risk Assessment Sampling and Analysis Plan (Expedited Risk Assessment SAP) dated October 20, 2017. The objective of the expedited risk assessment was to develop a better understanding of environmental conditions in the South Percolation Pond Area, and any human health or ecological risks that may be associated with its current condition, on an expedited time frame due to the upcoming high-water conditions because the full baseline risk assessment as part of the RI/FS will not be completed until mid-2019 at the earliest.

Roux conducted soil, sediment, and surface water sampling activities in and around the South Percolation Ponds and Backwater Seep Sampling Area in accordance with the Expedited Risk Assessment SAP in October and November 2017. The draft sampling results from the Expedited Risk Assessment were provided to the USEPA on March 16, 2018 via email correspondence. CFAC also acted in December 2017 to stabilize the South Ponds dam via installation of additional engineering controls, which was not part of the RI/FS. These controls performed well during the recent high-water season, which appears to have obviated the need for expediting the South Percolation Pond Area risk assessment.

Separately, during the comment and response period on the draft Baseline Human Health Risk Assessment Work Plan (BHHRA WP) and draft Baseline Ecological Risk Assessment Work Plan (BERA WP), it has been agreed that interim risk assessment deliverables to support risk assessment assumptions will be prepared for USEPA review and approval. These interim deliverables are proposed to be submitted to USEPA for review in the third quarter of 2018. The assumptions contained in those interim

deliverables will be integral to the overall risk assessment, including the South Percolation Ponds Area.

As described in the Expedited Risk Assessment SAP, CFAC/Roux proposed to submit a technical memorandum to USEPA documenting the results of the expedited risk assessment; and following USEPA approval, this deliverable was subsequently added to the project schedule included with the monthly progress reports. However, based upon the current status of the project and progression of the overall risk assessment as noted above, Roux believes it would be technically appropriate and a more efficient use of resources to remove the technical memorandum from the schedule; and instead document the results of the expedited risk assessment in conjunction with the overall risk assessment for the Site.

Based upon the above, CFAC/Roux propose to address the risk assessment for the South Percolation Ponds Area as part of the overall BHHRA and BERA for the Site, rather than submit a separate technical memorandum.

Please let us know if you concur with the above described approach and please let us know if you have any questions.

Laura Jensen, P.G. – NY | Project Hydrogeologist
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